

10/542,722

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	((("6825162") or ("6982243") or ("6800775")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 16:54
L2	279	(556/32).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 17:23
L3	216	(510/311).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 17:30
L4	548	(510/372).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 17:37
L5	687	(510/376).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 17:52
L6	127	(252/186.33).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/04/01 17:52

10/542,722

(FILE 'HOME' ENTERED AT 15:53:58 ON 01 APR 2006)

FILE 'REGISTRY' ENTERED AT 15:54:14 ON 01 APR 2006

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 15:55:06 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 19 TO ITERATE

100.0% PROCESSED 19 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 119 TO 641

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 15:55:11 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 321 TO ITERATE

100.0% PROCESSED 321 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

L3 7 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

167.38

167.59

FILE 'CAPLUS' ENTERED AT 15:55:16 ON 01 APR 2006

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FILE COVERS 1907 - 1 Apr 2006 VOL 144 ISS 15

FILE LAST UPDATED: 31 Mar 2006 (20060331/ED)

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<http://www.cas.org/infopolicy.html>

=> s l3

L4 17 L3

=> d 1-17 bib abs

L4 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:695643 CAPLUS

DN 143:175181

TI Bleaching activation catalyst granules with good solubility for bleaching compositions

IN Miyasaki, Yoshitaka; Kaneda, Hideyuki

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 50 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005206835	A2	20050804	JP 2004-375329	20041227
PRAI	JP 2003-435633	A	20031226		

AB Title granules comprise (A) bleaching activation catalysts having transition metal complex structures 0.1-50, (B) surfactants 0.1-50, and (C) binder compds. 10-90%, wherein the content of transition metals which do not form complexes containing bleaching activation catalysts is $\leq 0.1\%$ (based on bleaching activation catalyst). Thus, 48.7 g tris(2-aminoethyl)amine and 121.9 g salicylaldehyde were reacted to give tris(salicylideneaminoethyl)amine, 100 g of which was reacted with 0.18 mmol manganese chloride tetrahydrate, the resulting tris[2-(salicylideneaminoethyl)]amine-manganese complex was pulverized, 20 g of the resulting complex was mixed with 23 mg manganese chloride, 10 g of the mixture was mixed with Lipolan PJ 400 10, Arbocel FD 600/30 10, and PEG 60000 70% and kneaded to give a bleaching activation catalyst granule with average particle diameter 250 μm , 3.0% of which was mixed with SPC-Z (sodium percarbonate) 50.0, NRE 5 (ethoxylated alc.) 1.5, Dequest 2016D 0.5, Everlase 8.0T 0.4, a bleaching activation catalyst granule with average particle diameter 700 μm 1, perfume 0.1, white carbon 0.2, and zeolite 3%, and balance sodium carbonate to give a bleaching composition, showing good bleaching and storage stability.

L4 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1056592 CAPLUS

DN 142:306784

TI Crystal structure of N,N,N-tris[2-(salicylideneaminato)ethyl]aminemanganese(III), $\text{Mn}[\text{N}(\text{C}_9\text{H}_9\text{NO})_3]$

AU Steinhauser, S.; Bachmann, F.; Hazenkamp, M.; Heinz, U.; Dannacher, J.; Hegetschweiler, K.

CS Universitaet des Saarlandes, Anorganische Chemie, Saarbruecken, 66041, Germany

SO Zeitschrift fuer Kristallographie - New Crystal Structures (2004), 219(3), 325-326

CODEN: ZKNSFT; ISSN: 1433-7266

PB Oldenbourg Wissenschaftsverlag GmbH

DT Journal

LA English

AB The title compound is monoclinic, space group $P2_1/n$, a 7.906(2), b 25.609(5), c 11.736(2) Å, β 96.55(3)°, Z = 4, $R_{\text{gt}}(F)$ = 0.050, $wR_{\text{ref}}(F_2)$ = 0.127, T = 293 K. Atomic coordinates are given. The title compound Mn compound and its MeOH solvated derivative (S.K. Chandra et al 1991) crystallize in the monoclinic space group $P2_1/n$, however, the volume of the unit cell of the solvent-free derivative is 9.6 % smaller. No significant differences have been noted for the coordination geometries of the two complex mols. Bond valence parameters confirm the proposed oxidation number of +III for the Mn center. As previously noted, the considerable deviation from C_3 symmetry must be attributed to a Jahn-Teller distortion of the high-spin Mn center. N(1) has a flattened trigonal pyramidal environment with C-N-C angles of 115.1, 117.4, 118.0°, and the lone pair directed to the Mn center. The N...N distances of the MnN_3O_3 core (3.14, 3.23, 3.45 Å) are significantly longer than the O...O distances (2.73, 3.2, 2.81, 3.00 Å). However, the very long N(1)-Mn distance of 3.19 Å indicates very weak - if any - interaction, and the

coordination polyhedron may be best described as a distorted octahedron.
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:1037213 CAPLUS
DN 142:24931
TI Stable particulate composition comprising bleach catalysts, their preparation, use with detergent in the wash, and preventing redeposition of dyes
IN Hazenkamp, Menno; Kvita, Petr; Nagel, Johannes; Bertram, Heinz-Udo; Dreyer, Pierre; Weingartner, Peter
PA Ciba Specialty Chemicals Holding Inc., Switz.
SO PCT Int. Appl., 76 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004104155	A1	20041202	WO 2004-EP50766	20040512
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1625196	A1	20060215	EP 2004-732327	20040512
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRAI	EP 2003-101450	A	20030521		
	EP 2004-100105	A	20040115		
	WO 2004-EP50766	W	20040512		

OS MARPAT 142:24931
AB The particulate compns., especially granules, comprise finely particulate bleach catalysts, alkali metal and/or alkaline earth metal and/or Al salts, water-soluble binders having sealing properties, and H2O.
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:1014366 CAPLUS
DN 141:425600
TI Bleach composition containing peroxide and bleaching detergent composition safe to dyed fabrics
IN Nagata, Satoshi; Kaneda, Hideyuki
PA Lion Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 50 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004331816	A2	20041125	JP 2003-129507	20030507
PRAI	JP 2003-129507		20030507		
AB	The bleach composition comprises: (a) a water-soluble H2O2-generating peroxide compound, e.g., percarbonate, (b) a fibrous powder insol. or slightly soluble in water which is selected from among powdered cellulose, silk powder, wool powder, nylon powder, and polyurethane powder, (c) a bleaching activating catalyst or/and activator, and (d) ordinary surfactants and additives.				

L4 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:996291 CAPLUS

DN 141:425597
 TI Bleach composition containing peroxide and bleaching detergent composition
 safe to dyed fabrics
 IN Kaneda, Hideyuki; Miyamae, Yoshitaka; Nagata, Satoru
 PA Lion Corporation, Japan
 SO PCT Int. Appl., 93 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004099357	A1	20041118	WO 2003-JP5700	20030507
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003235871	A1	20041126	AU 2003-235871	20030507
	EP 1621605	A1	20060201	EP 2003-721053	20030507
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, CY, TR, BG, CZ, EE, HU, SK				

PRAI WO 2003-JP5700 A 20030507

AB The bleach composition comprises: (a) a peroxide capable of generating hydrogen peroxide when dissolved in water, e.g., percarbonate, (b) a fiber powder insol. or slightly soluble in water which is selected from among powdered cellulose, silk powder, wool powder, nylon powder, and polyurethane powder, and (c) (c-1) a bleaching activating catalyst and/or (c-2) a bleaching activator; and a bleaching detergent composition contains the bleach composition and a surfactant.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:633618 CAPLUS
 DN 141:175880

TI Crystalline modification of a manganese complex, its production and its use
 IN Bachmann, Frank; Baier, Hanspeter; Dosenbach, Christof; Dubs, Marie-josee; Haberereder, Tassilo; Hazenkamp, Menno; Heinz, Uwe; Makowka, Cornelia
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 28 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004065302	A2	20040805	WO 2004-EP359	20040119
	WO 2004065302	A3	20041007		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	AU 2004205483	A1	20040805	AU 2004-205483	20040119
	EP 1585721	A2	20051019	EP 2004-703163	20040119
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2004006970	A	20060110	BR 2004-6970	20040119
PRAI	EP 2003-405032	A	20030124		
	WO 2004-EP359	W	20040119		

AB This invention relates to a novel crystal form of the 1:1 manganese(III) complex (I) of N,N',N''-tris(salicylideneaminoethyl)amine, a process for its preparation and its use as a peroxide bleach activator/catalyst. Thus,

ethanolic salicylaldehyde was condensed with tris(2-aminoethyl)amine in the presence of NaOH and Mn(III) salt to give I, which was used as a seed crystal for production of more I in DMF to provide the new crystal form.

L4 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:348450 CAPLUS

DN 142:137100

TI Laundry detergent composition containing a transition metal bleaching catalyst

AU Anon.

CS USA

SO IP.com Journal (2004), 4(2), 33 (No. IPCOM000021652D), 29 Jan 2004

CODEN: IJPOBX; ISSN: 1533-0001

PB IP.com, Inc.

DT Journal; Patent

LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	IP 21652D	20040129		
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PRAI	IP 2004-21652D	20040129		
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AB Detergent and bleaching laundry additive compns. are disclosed comprising 1:1 manganese(III) of N,N',N''-tris[salicylideneaminoethyl]amine.

L4 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:470750 CAPLUS

DN 139:54605

TI Bleach compositions for garment with reduced fabric degradation

IN Kaneda, Hideyuki; Miyasaki, Yoshitaka

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2003171697	A2	20030620	JP 2002-250734	20020829
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PRAI	JP 2001-295882	A	20010927		
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AB The compns. contain (A) water-soluble H2O2 generators, (B) water-insol. powdered cellulose, silk, wool, nylon or polyurethane fibers, and (C) bleach activators or/and catalysts where the B is included for improving the stability of fabric to bleach. Thus, a bleaching detergent was obtained from Na percarbonate 50.0, powdered cellulose 20.0, tris(salicylideneiminoethyl)amine-Mn complex, Na2CO3 28.0, a nonionic surfactant 0.5, an enzyme 1.0, and a perfume 0.1%.

L4 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:239943 CAPLUS

DN 138:273330

TI Bleaching compositions with good hydrogen peroxide stability

IN Kaneda, Hideyuki; Miyasaki, Yoshitaka

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 27 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2003089800	A2	20030328	JP 2002-190449	20020628
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PRAI	JP 2001-208399	A	20010709		
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OS MARPAT 138:273330

AB Title compns. comprise (A) hydrogen peroxide or peroxide compds. giving hydrogen peroxide when dissolved in water, (B) phenolic radical trapping agents, (C) phosphonic acid type metal captures, and (D) bleaching activation catalysts comprising transition metals and ligands B(CR1H)nX[(CR2H)mA]p, wherein p = 0-2 integer; X = R when p = 0, X = R' when p = 1, or X = N, P, CR when p = 2; R, R1, R2 = H, (substituted) alkyl, cycloalkyl, or aryl; R' = (substituted) alkylene or cycloalkylene;

n, m = 0-2 number; A, B = NR₃R₄ or N:R₅; R₃, R₄ = H, OH, alkyl, cycloalkyl, aryl, or benzyl, and alkyl, cycloalkyl, aryl, and benzyl group may be substituted with OH, halogen, phosphonic acid, carboxylic acid, C1-3 alkyl or aryl; and R₅ = alkylidene, cycloalkylidene, or benzylidene, and alkylidene, cycloalkylidene, and benzylidene may be substituted with OH, halogen, phosphonic acid, carboxylic acid, C1-3 alkyl or alkoxyl substituted dialkylamino, or C1-3 alkyl or aryl. Thus, a composition comprised 35% hydrogen peroxide 5.0, MQ-F 4-methoxyphenol 0.2, Briquest ADPA 1-hydroxyethane-1,1-diphosphonic acid 1.0, [tris(salicylideneiminoethyl)amine] manganese (preparation given) 20.0, polyethylene glycol alkyl ether 4.5, linear alkyl benzene sodium sulfonate 0.5, C14 α -olefin potassium phosphonic acid 1.0, and perfume composition 0.1%, and sodium hydroxide and water.

L4 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:575181 CAPLUS
DN 137:126840

TI Process for the preparation of water-soluble granules or particles of saldimine-type manganese complexes useful for washing agents

IN Hazenkamp, Menno; Grey, Bryan David; Mistry, Kishor Kumar; Bachmann, Frank; Dannacher, Josef; Symes, Kenneth Charles; Kvita, Petr; Maier, Susanne

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002059245	A1	20020801	WO 2002-EP512	20020118
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1354025	A1	20031022	EP 2002-703562	20020118
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	BR 2002006673	A	20040113	BR 2002-6673	20020118
	CN 1518590	A	20040804	CN 2002-804218	20020118
	JP 2004523617	T2	20040805	JP 2002-559533	20020118
	TW 573010	B	20040121	TW 2002-91101120	20020124
	US 2004142842	A1	20040722	US 2004-470046	20040311
	US 6825162	B2	20041130		
PRAI	EP 2001-810078	A	20010126		
	EP 2001-810795	A	20010817		
	WO 2002-EP512	W	20020118		

OS MARPAT 137:126840

AB Water soluble granules or particles of saldimine-type manganese complexes that are suitable as catalysts in reactions with peroxy compds. are described. The granules are used especially in washing agent components. They are distinguished by retarded dissoln. of and improved action of the manganese complexes.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:395604 CAPLUS
DN 138:99869

TI Synthesis and characterization of a series of chelated complexes
N(CH₂CH₂-O-C₆H₄-CH₂NCH₂CH₂)₃N

AU Zhang, Jiang-run; Yang, Xu-jie; Lu, Lu-de; Wang, Xin; Xu, Xing-you

CS Materials Chemistry Laboratory, School of Chemical Engineering, Nanjing

SO University of Science and Technology, Nanjing, 210094, Peop. Rep. China
 Huaizhai Gongxueyuan Xuebao (2002), 11(1), 45-47
 CODEN: HGXKFX; ISSN: 1008-3499
 PB Huaizhai Gongxueyuan Xuebao Bianjibu
 DT Journal
 LA Chinese
 OS CASREACT 138:99869
 AB To study the structure and characterization of transition metal chelate complexes, the authors synthesized a new complex by the condensation of tren and nitrilotris(ethyloxybenzaldehyde), and prepared corresponding transition metal chelate complexes of tren and nitrilotris(ethyloxybenzaldehyde) complex by replacement reaction. The complex and the chelate complexes were characterized by elemental anal., FTIR, ¹H-NMR, and UV.

L4 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2006 ACS on STM
 AN 2001:101267 CAPLUS
 DN 134:164852
 TI Water-soluble granules of salen-type manganese complexes
 IN Hazenkamp, Menno; Bachmann, Frank; Makowka, Cornelia; Kvita, Petr; Kuratli, Rolf; Schmidlin, Anita
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 36 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001009276	A1	20010208	WO 2000-EP6934	20000720
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1200545	A1	20020502	EP 2000-954542	20000720
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
	JP 2003506525	T2	20030218	JP 2001-514070	20000720
	US 6828293	B1	20041207	US 2002-48045	20020124
	US 2005085401	A1	20050421	US 2004-974375	20041027
	US 6982243	B2	20060103		
PRAI	EP 1999-810684	A	19990728		
	WO 2000-EP6934	W	20000720		
	US 2002-48045	A3	20020124		

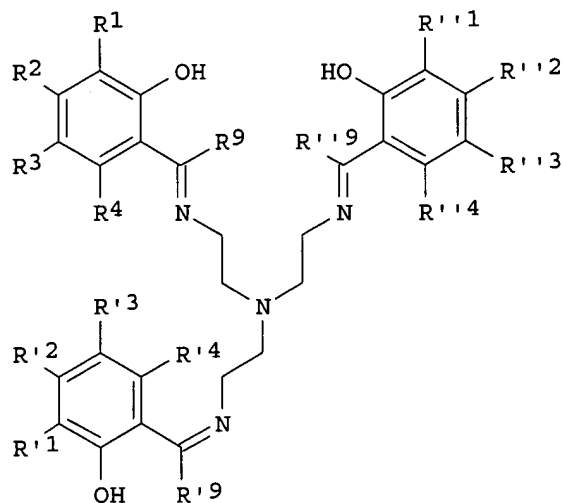
OS MARPAT 134:164852
 AB The granules comprising H₂O-soluble salen-type Mn complexes and ≥10% of an anionic or nonionic dispersant or a H₂O-soluble polymer, e.g., poly(vinyl alc.) Na-CMC, polyvinylpyrrolidone, etc., as dissoln. restrainer provide better inhibition of the redeposition of migrating dyes in washing liquors than is provided by pure Mn complexes. The storage stability of peroxide-containing washing agent formulations comprising such granules is also improved. Washing agent formulations containing anionic and/or nonionic surfactants, builders, peroxides and granules described above are also claimed.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2006 ACS on STM
 AN 2001:64115 CAPLUS
 DN 134:133329
 TI Metal complexes of tripodal ligands as catalysts for peroxygen compounds in cleaning and disinfecting
 IN Bachmann, Frank; Dannacher, Josef; Hazenkamp, Menno; Schlingloff, Gunther; Richter, Grit; Dbaly, Helena; Traber, Rainer Hans

PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005925	A1	20010125	WO 2000-EP6420	20000706
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2377279	AA	20010125	CA 2000-2377279	20000706
	BR 2000012390	A	20020319	BR 2000-12390	20000706
	EP 1194514	A1	20020410	EP 2000-947944	20000706
	EP 1194514	B1	20060111		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
	JP 2003505349	T2	20030212	JP 2001-511141	20000706
	AT 315627	E	20060215	AT 2000-947944	20000706
	US 6800775	B1	20041005	US 2002-31999	20020110
PRAI	EP 1999-810631	A	19990714		
	WO 2000-EP6420	W	20000706		
OS	MARPAT 134:133329				
GI					



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AB Tripodal ligands I (R1-4, R'1-4, R''1-4 = H, cyano, halo, S-containing acidic or amide group, ether group, or ester group, R9, R'9, R''9 = H, C1-8 alkyl, or aryl) and their metal complexes are useful as catalysts to enhance the action of peroxygen compds. in washing, cleaning and disinfecting processes. A typical I was manufactured by stirring an aqueous emulsion containing 3.42 mmol tris(2-aminoethyl)amine and 10.3 mmol salicylaldehyde 20 h.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

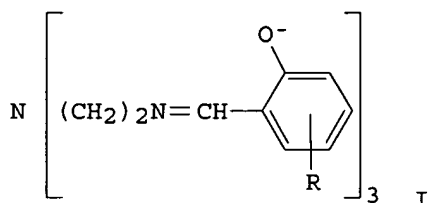
L4 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1995:585447 CAPLUS
 DN 123:242528

TI Geometric control of manganese redox state
 AU Drew, Michael G. B.; Harding, Charles J.; McKee, Vickie; Morgan, Grace G.;
 Nelson, Jane
 CS Sch. Chem., Queens Univ., Belfast, BT9 5AG, UK
 SO Journal of the Chemical Society, Chemical Communications (1995), (10),
 1035-8
 CODEN: JCCCAT; ISSN: 0022-4936
 PB Royal Society of Chemistry
 DT Journal
 LA English
 AB Comparison of the structures of four monomanganese (and one monoiron)
 complexes of ligands with the identical donor [N3(O-)]₃ set reveals that
 geometry det. the redox state of the cation. Crystallog. data are given.

L4 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1993:439479 CAPLUS
 DN 119:39479
 TI Mono- and tetra-nuclear manganese(III) complexes of tripodal
 tris[2-(salicylideneamino)ethyl]amines
 AU Chandra, Swapn Kumar; Chakraborty, Partha; Chakravorty, Animesh
 CS Dep. Inorg. Chem., Indian Assoc. Cultiv. Sci., Calcutta, 700032, India
 SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry
 (1972-1999) (1993), (6), 863-9
 CODEN: JCDTBI; ISSN: 0300-9246
 DT Journal
 LA English
 AB Tripodal N[CH₂CH₂N:CHC₆H₃X(OH)-2]₃ [H₃L; X = H (H₃L₁), Cl-5 (H₃L₂)] afford
 [MnL]. Structural work showed that the symmetry of the facial MnN₃O₃
 coordination sphere in the 2 solvates [MnL₂].3H₂O and [MnL₂].MeOH (I)
 varies considerably as the former has C₃ and the latter C₁ symmetry. The
 implications of these differences are discussed. Reaction of [MnL] with
 Mn(OAc)₃.2H₂O in alkaline media affords antiferromagnetic [Mn^{III}4O₂L₂]²⁺ in
 high yields. X-ray studies on [Mn₄O₄L₁₂][PF₆]₂.4MeCN (II) revealed a
 centrosym. Mn₄(μ₃-O)₂₈₊ core, with the shortest Mn...Mn contact being
 2.906(3) Å. The metal coordination spheres are of 2 types:
 facial-MnN₃O₃ and MnNO₅. The cyclic voltammograms of [Mn₄O₂L₂]²⁺ display
 2 successive waves due to the Mn^{III}-Mn^{II} couples of the MnN₃O₃ spheres.
 For [MnL] only 1 such couple is observed. Oxidative responses due to
 Mn^{IV}-Mn^{III} couples are observed. Some preliminary work on an Fe(III) analog
 of [Mn₄O₂L₂]²⁺ is described. Crystal data: I; triclinic, space group
 P₁h₁1₁, a 9.457(3), b 11.731(3), c 13.153(4) Å, α 80.98(2),
 β 78.76(3), γ 89.08(2)°, Z = 2, R = 0.0461, R' = 0.0522;
 II; monoclinic, space group P2₁/n, a 14.019(7), b 16.165(8), c 15.995(7)
 Å, β 102.27(4)°, Z = 2, R = 0.0604, R' = 0.0612.

L4 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1992:50303 CAPLUS
 DN 116:50303
 TI Manganese(III) complexes with Mn^{II}IN₃O₃ (S = 2) coordination by
 sexidentate Schiff base ligands: synthesis, spectra and electrochemistry
 AU Ramesh, Krishnamoorthi; Bhuniya, Debnath; Mukherjee, Rabindranath
 CS Dep. Chem., Indian Inst. Technol., Kanpur, 208 016, India
 SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry
 (1972-1999) (1991), (11), 2917-20
 CODEN: JCDTBI; ISSN: 0300-9246
 DT Journal
 LA English
 AB MnL₃ (HL = tris[2-(2'-hydroxybenzylidene)ethyl]amine and its 3-, 4-,
 5-methyl-, 3,4-dimethyl- and 3,5-dichloro derivs.) (μ_{eff} = 4.79-5.30 at
 298 K) have been prepared and their solution properties thoroughly
 investigated. The brown to green crystalline complexes display ligand-to-metal
 charge transfer transitions at 330-400 nm in addition to a crystal field
 transition at 560-600 nm. The solution stereochem. has been determined by
 paramagnetically shifted ¹H NMR spectroscopy. Unlike the C₃ symmetry in
 the solid state structure, in solution the Mn^{II}IN₃O₃ coordination sphere is
 severely distorted (.simeq.C₁ symmetry). Cyclic voltammetric studies in
 DMF reveal an irreversible Mn^{III}Mn^{II} couple [E_{pc} -0.62 to -0.05 V vs. SCE
 and a quasireversible Mn^{IV}-Mn^{III} couple (E_f at +0.42 to +0.86 vs. SCE).

L4 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1976:601369 CAPLUS
 DN 85:201369
 TI Metal(III) compounds of potentially septadentate [N4O3] ligands derived from tris(2-aminoethyl)amine and salicylaldehydes. I. Preparation of gallium, chromium, manganese, iron, and cobalt compounds, and crystal structure of the iron compound of tris[2-(5-chloro-2-hydroxybenzylidene)ethyl]amine
 AU Cook, Donald F.; Cummins, Diane; McKenzie, E. Donald
 CS Chem. Dep., Univ. Sheffield, Sheffield, UK
 SO Journal of the Chemical Society, Dalton Transactions: Inorganic Chemistry (1972-1999) (1976), (14), 1369-75
 CODEN: JCDTBI; ISSN: 0300-9246
 DT Journal
 LA English
 GI



AB The potentially septadentate trianionic Schiff base ligands, I (R = H, 3-NO₂, 3-OMe, 5-Cl, 5-Br, 5-Me, 5-OMe, 5-NO₂), prepared from N[(CH₂)₂NH₂]₃ and the appropriate substituted salicylaldehyde, reacted with M(III) species (M = Ga Cr, Mn, Fe, Co) to form 1:1 neutral compds. The electronic spectra and magnetic moments of the complexes were determined and some polymorphs and isomorphous series were classified from x-ray powder diffraction patterns. The crystal and mol. structure of FeL (L = I, R = 5-Cl), determined from x-ray diffractometer data, showed that the mol. was essentially a [Fe(O₃N₃)] octahedral species lying on a 3-fold crystallog. axis which passes through the Fe and the apical N. The apical N atom was anti-bonding with respect to Fe, being 3.26 Å from Fe and almost coplanar with its 3 C substituents. The H₂O mols. in the crystal formed a flattened octahedral set about the crystallog. C₃ axis, H-bonded to themselves and to the ligand phenolic O atoms.